

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2007/001277 C39

<p>A. CLASSIFICATION OF SUBJECT MATTER</p> <p>IPC: <b>C07D 519/00</b> (2006.01) , <b>A61K 31/55</b> (2006.01) , <b>A61P 31/04</b> (2006.01) , <b>C07D 471/04</b> (2006.01) , <b>C07D 498/04</b> (2006.01)</p> <p>According to International Patent Classification (IPC) or to both national classification and IPC</p>																				
<p>B. FIELDS SEARCHED</p> <p>Minimum documentation searched (classification system followed by classification symbols) IPC: <b>C07D 519/00</b> (2006.01) , <b>A61K 31/55</b> (2006.01) , <b>A61P 31/04</b> (2006.01) , <b>C07D 471/04</b> (2006.01) , <b>C07D 498/04</b> (2006.01)</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p> <p>Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used) STN (chemical structure), Scopus, Delphion, Canadian Patent Database: FAB I inhibitor, antibacterial</p>																				
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <thead> <tr> <th>Category*</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>CA2,568,914 A1 (AFFINIUM PHARMACEUTICALS, INC.) 04 December 2005 (04-12-2005) whole document, also see examples 77 and 86</td> <td>1-3, 17 and 19-36</td> </tr> <tr> <td>X</td> <td>WO 03/088897 A2 (AFFINIUM PHARMACEUTICALS, INC.) 30 October 2003 (30-10-2003) whole document, also see examples on page 12 and page 22, compound 10</td> <td>1-3, 18-34 and 36</td> </tr> <tr> <td>X</td> <td>US2006/0142265 A1 (AFFINIUM PHARMACEUTICALS, INC.) 29 June 2006 (29-06-2006) whole document</td> <td>1-3, 17, 19, 23-25 and 36</td> </tr> <tr> <td>X</td> <td>WO 04/052890 A1 (AFFINIUM PHARMACEUTICALS, INC.) 24 June 2004 (24-06-2004) whole document</td> <td>1-3 and 17-36</td> </tr> <tr> <td>P, X</td> <td>WO 07/067416 A2 (AFFINIUM PHARMACEUTICALS, INC.) 14 June 2007 (14-06-2007) whole document</td> <td>1-4 and 19-36</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	CA2,568,914 A1 (AFFINIUM PHARMACEUTICALS, INC.) 04 December 2005 (04-12-2005) whole document, also see examples 77 and 86	1-3, 17 and 19-36	X	WO 03/088897 A2 (AFFINIUM PHARMACEUTICALS, INC.) 30 October 2003 (30-10-2003) whole document, also see examples on page 12 and page 22, compound 10	1-3, 18-34 and 36	X	US2006/0142265 A1 (AFFINIUM PHARMACEUTICALS, INC.) 29 June 2006 (29-06-2006) whole document	1-3, 17, 19, 23-25 and 36	X	WO 04/052890 A1 (AFFINIUM PHARMACEUTICALS, INC.) 24 June 2004 (24-06-2004) whole document	1-3 and 17-36	P, X	WO 07/067416 A2 (AFFINIUM PHARMACEUTICALS, INC.) 14 June 2007 (14-06-2007) whole document	1-4 and 19-36
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<p>[ ] Further documents are listed in the continuation of Box C.      [X] See patent family annex.</p> <table border="1"> <tbody> <tr> <td>* Special categories of cited documents :</td> <td>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"E" earlier application or patent but published on or after the international filing date</td> <td>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"&amp;" document member of the same patent family</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td></td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </tbody> </table>			* Special categories of cited documents :	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family	"O" document referring to an oral disclosure, use, exhibition or other means		"P" document published prior to the international filing date but later than the priority date claimed							
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<p>Date of the actual completion of the international search</p> <p>2 October 2007 (02-10-2007)</p>		<p>Date of mailing of the international search report</p> <p>26 October 2007 (26-10-2007)</p>																		
<p>Name and mailing address of the ISA/CA</p> <p>Canadian Intellectual Property Office Place du Portage I, C114 - 1st Floor, Box PCT 50 Victoria Street Gatineau, Quebec K1A 0C9 Facsimile No.: 001-819-953-2476</p>		<p>Authorized officer</p> <p><b>Marie-Claire Wilson 819- 934-3595</b></p>																		

**INTERNATIONAL SEARCH REPORT**International application No.  
PCT/CA2007/001277**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of the first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons :

1. ☒ Claim Nos. : 32-34  
because they relate to subject matter not required to be searched by this Authority, namely :  
  
Claims 32-34 are directed to a method for treatment of the human or animal body by surgery or therapy which the International Search Authority is not required to search. However, this Authority has carried out a search based on the alleged effects or purposes/uses of the product defined in claims 32-34.
2. ☐ Claim Nos. :  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically :
3. ☐ Claim Nos. :  
because they are dependant claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows :

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claim Nos. :
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claim Nos. :

- Remark on Protest**
- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
  - ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
  - ☐ No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
**PCT/CA2007/001277**

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
CA2568914	04-12-2005	EP1828167 A2 WO2007053131 A2	05-09-2007 10-05-2007

WO03088897	30-10-2003	AU2002367773 A1 CA2444597 A1 EP1560584 A2 JP2005519984T T US7049310 B2 US7250424 B2	03-11-2003 06-10-2002 10-08-2005 07-07-2005 23-05-2006 31-07-2007
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WO2004052890	24-06-2004	AU2003298937 A1 CA2508792 A1 EP1575951 A1 JP2006513262T T US2006183908 A1	30-06-2004 24-06-2004 21-09-2005 20-04-2006 17-08-2006
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WO2007067416	14-06-2007	NONE	
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